In addition to the tangible benefit of a highly-trained computational workforce for the 21st century, what other perks do CSE SPP partners enjoy? How about a competitive advantage? Companies that are able to stay atop the Big Data tsunami find that it can carry them a long, long way in the marketplace.

CSE research has led to breakthroughs in computational power and analytics that result in real, measurable impacts across application domains.

Partners benefitting from research collaborations with the School of CSE represent a variety of sectors including:

- Health care & biomedical
- Materials & manufacturing
- National security—including cybersecurity
- Urban systems & planning
- Sustainability & alternative fuels
- Internet & social media
- High performance computing
- Massively data analytics

Whether your company operates in these domains or others, the School of CSE is eager to work side-by-side with you to make the power of Big Data serve your bottom line.

Contact
Director of Development
Georgia Tech College of Computing
801 Atlantic Drive
Atlanta, Georgia  30332-0280
404-385-2384
cocdirectorofdevelopment@gatech.edu

A Strategic Advantage for the Modern World

CSE Strategic Partnership Program

The Strategic Partnership Program (SPP) creates a vibrant, mutually-beneficial link between CSE and industry. By joining SPP, your company will have direct access to some of the world’s top emerging computational scientists and engineers. From this position, you will be able to forge the kind of private-public partnerships that have proven essential in tackling complex real-world problems through scientific research.

As a CSE SPP member, you will be able to recruit graduate students from a Top-10 computing program with a workforce that will help shape the high-skilled workers of tomorrow through CSE curriculum advice. This will be in the perfect position to provide the feedback we need to keep our program application-focused, even as we groom our students to lead in scientific knowledge and practice.

Benefits of Partnership

- Forge research relationships with CSE faculty at an annual members-only SPP meeting
- Keep up with the latest CSE research through our news and announcements of seminars & events
- Connect directly to your workforce recruitment pool through email access to CSE students
- Review the most promising recruitment prospects with a CSE Graduate Student Resume Bank
- Get to know our faculty and graduate students face-to-face at school-hosted lunches and informal meetings
- Shape your future computational & data scientist workforce with invited feedback to the CSE graduate program curriculum
- Extend your brand to the wider CSE community through placement of your corporate logo on CSE websites and Strategic Partners Wall

Whether your company operates in these domains or others, the School of CSE is eager to work side-by-side with you to make the power of Big Data serve your bottom line.

Contact
Director of Development
Georgia Tech College of Computing
801 Atlantic Drive
Atlanta, Georgia  30332-0280
404-385-2384
cocdirectorofdevelopment@gatech.edu

cse.gatech.edu
Message from School Chair

In the 21st century, business moves literally at the speed of light. Even as the world shrinks through the continual advance of new technologies, the problems facing industry and government becoming commensurately more complex. Responding to global markets, industry is forced to negotiate a web of political and cultural boundaries even as major economic, environmental, and social challenges increasingly stretch across international borders.

Whether it’s a global supply chain, an emerging international market, or any number of massive data sets generated from dozens of databases in an equal number of nations, the power to apply the latest computation-based innovation is vital to compete. Almost every day, the Internet produces a larger set of data than it did the day before. Real market advantages lie hidden in those data – waiting for whomever has the power to find them.

Enter Georgia Tech’s School of Computational Science and Engineering (CSE). Founded in 2005, the School of CSE solves real-world problems in science, engineering, health informatics, homeland and national security, and social domains by using high-performance computing, big data, and large-scale analytics. Our world-class faculty and top-notch graduate student researchers engage principles from computing, mathematics, science, and engineering to develop innovative solutions to the world’s newest, oldest, and biggest problems.

CSE students, researchers, and partners all benefit from our ecosystem of innovation that integrates the existing assets of Georgia Tech’s Technology Square with new opportunities in interdisciplinary research, commercialization, and sustainability. This ecosystem will expand January 2019 when CSE moves to the state-of-the-art Coda building. The CSE will be the only school moving in its entirety to the new building which will serve as a collaborative hub with industry partners, major companies, and startups. In Coda, the premier facility in the United States for computational research, data science, and high-performance computing, CSE students and faculty will work in a “melting pot” environment which will foster a collaborative, interdisciplinary atmosphere unparalleled in the southeast. By working with the CSE, we can target your specific research needs, offer a competitive advantage, and affect your bottom line. In doing so, CSE delivers the tangible benefit of a highly trained computational workforce and rapidly advancing research programs that keep pace with reality. As you continue reading, I hope you’ll decide to become part of our global – and growing – community.

David Bader
Professor and Chair
School of Computational Science and Engineering

CURRENT PARTNERS:

CURRENT PARTNERS:

Computational Science & Engineering Faculty

- Kumar Aatish
  Research Scientist II
- Srinivas Aluru
  Professor
  Fellow: AAAS, IEEE
  NSF CAREER Award
- David Bader
  Professor & Chair
  Fellow: AAAS, IEEE
  NSF CAREER Award
- Mark Borodovsky
  Regents’ Professor
  Joint with Department of Biomedical Engineering
- Ümit Çatalyürek
  Professor
  Fellow: IEEE
- Polo Chau
  Associate Professor
*Effective Fall 2018
- Edmond Chow
  Associate Professor
  PECASE Award
- Barry Drake
  Senior Research Scientist (Joint with GTRI)
- Jon Duke
  Principal Research Scientist (Joint with GTRI)
- Richard Fujimoto
  Regents’ Professor
  IEEE Fellow
- Oded Green
  Research Scientist II
- Felix Herrmann
  Professor
  Joint Appointment (EAS)
- Tobin Isaac
  Assistant Professor
- Surya Kalidindi
  Joint Professor
  Fellow: ASME, ASM, TMS
  Humboldt Research Award
- Haesun Park
  Professor
  Fellow: IEEE, SIAM
- David Sherrill
  Professor
  Fellow: AAAS, APS, ACS
- Jeffrey Young
  Research Scientist II
  (Split CS/CSE)

Message from School Chair

In the 21st century, business moves literally at the speed of light. Even as the world shrinks through the continual advance of new technologies, the problems facing industry and government becoming commensurately more complex. Responding to global markets, industry is forced to negotiate a web of political and cultural boundaries even as major economic, environmental, and social challenges increasingly stretch across international borders.

Whether it’s a global supply chain, an emerging international market, or any number of massive data sets generated from dozens of databases in an equal number of nations, the power to apply the latest computation-based innovation is vital to compete. Almost every day, the Internet produces a larger set of data than it did the day before. Real market advantages lie hidden in those data – waiting for whomever has the power to find them.

Enter Georgia Tech’s School of Computational Science and Engineering (CSE). Founded in 2005, the School of CSE solves real-world problems in science, engineering, health informatics, homeland and national security, and social domains by using high-performance computing, big data, and large-scale analytics. Our world-class faculty and top-notch graduate student researchers engage principles from computing, mathematics, science, and engineering to develop innovative solutions to the world’s newest, oldest, and biggest problems.

CSE students, researchers, and partners all benefit from our ecosystem of innovation that integrates the existing assets of Georgia Tech’s Technology Square with new opportunities in interdisciplinary research, commercialization, and sustainability. This ecosystem will expand January 2019 when CSE moves to the state-of-the-art Coda building. The CSE will be the only school moving in its entirety to the new building which will serve as a collaborative hub with industry partners, major companies, and startups. In Coda, the premier facility in the United States for computational research, data science, and high-performance computing, CSE students and faculty will work in a “melting pot” environment which will foster a collaborative, interdisciplinary atmosphere unparalleled in the southeast. By working with the CSE, we can target your specific research needs, offer a competitive advantage, and affect your bottom line. In doing so, CSE delivers the tangible benefit of a highly trained computational workforce and rapidly advancing research programs that keep pace with reality. As you continue reading, I hope you’ll decide to become part of our global – and growing – community.

David Bader
Professor and Chair
School of Computational Science and Engineering

CURRENT PARTNERS:

CURRENT PARTNERS:

Computational Science & Engineering Faculty

- Kumar Aatish
  Research Scientist II
- Srinivas Aluru
  Professor
  Fellow: AAAS, IEEE
  NSF CAREER Award
- David Bader
  Professor & Chair
  Fellow: AAAS, IEEE
  NSF CAREER Award
- Mark Borodovsky
  Regents’ Professor
  Joint with Department of Biomedical Engineering
- Ümit Çatalyürek
  Professor
  Fellow: IEEE
- Polo Chau
  Associate Professor
  *Effective Fall 2018
- Edmond Chow
  Associate Professor
  PECASE Award
- Barry Drake
  Senior Research Scientist (Joint with GTRI)
- Jon Duke
  Principal Research Scientist (Joint with GTRI)
- Richard Fujimoto
  Regents’ Professor
  IEEE Fellow
- Oded Green
  Research Scientist II
- Felix Herrmann
  Professor
  Joint Appointment (EAS)
- Tobin Isaac
  Assistant Professor
- Surya Kalidindi
  Joint Professor
  Fellow: ASME, ASM, TMS
  Humboldt Research Award
- Haesun Park
  Professor
  Fellow: IEEE, SIAM
- David Sherrill
  Professor
  Fellow: AAAS, APS, ACS
- Jeffrey Young
  Research Scientist II
  (Split CS/CSE)
In addition to the tangible benefit of a highly-trained computational workforce for the 21st century, what other perks do CSE SPP partners enjoy? How about a competitive advantage? Companies that are able to stay atop the Big Data tsunami find that it can carry them a long, long way in the marketplace. CSE research has led to breakthroughs in computational power and analytics that result in real, measurable impacts across application domains.

Partners benefitting from research collaborations with the School of CSE represent a variety of sectors including:

- Health care & biomedical
- Materials & manufacturing
- National security—including cybersecurity
- Urban systems & planning
- Sustainability & alternative fuels
- Internet & social media
- High performance computing
- Massive data analytics

Whether your company operates in these domains or others, the School of CSE is eager to work side-by-side with you to make the power of Big Data serve your bottom line.

Contact
Director of Development
Georgia Tech College of Computing
801 Atlantic Drive
Atlanta, Georgia 30332-0280
404-385-2384
cocdirectorofdevelopment@gatech.edu

A Strategic Advantage for the Modern World

CSE Strategic Partnership Program
The Strategic Partnership Program (SPP) creates a vibrant, mutually-beneficial link between CSE and industry. By joining SPP, your company will have direct access to some of the world’s top emerging computational scientists and engineers. From this position you will be able to forge the kind of private-public partnerships that have proven essential in tackling complex real-world problems through scientific research.

As a CSE SPP member, you will be able to recruit graduate students from a Top-10 computing program to your workforce and even help shape the high-skilled workers of tomorrow through CSE curricular advice. This will put you in the perfect position to provide the feedback we need to keep our program application-focused, even as we ground our students in bedrock scientific knowledge and practice.

Benefits of Partnership
- Forge research relationships with CSE faculty at an annual members-only SPP meeting
- Keep up with the latest CSE research through our news and announcements of seminars & events
- Connect directly to your workforce recruitment pool through email access to CSE students
- Review the most promising recruitment prospects with a CSE Graduate Student Resume Bank
- Get to know our faculty and graduate students face-to-face at school-sponsored lunches and informal meetings
- Shape your future computational & data scientist workforce with invited feedback to the CSE graduate program curriculum
- Extend your brand to the wider CSE community through placement of your corporate logo on CSE website and Strategic Partners wall

Whether your company operates in these domains or others, the School of CSE is eager to work side-by-side with you to make the power of Big Data serve your bottom line.

Contact
Director of Development
Georgia Tech College of Computing
801 Atlantic Drive
Atlanta, Georgia 30332-0280
404-385-2384
cocdirectorofdevelopment@gatech.edu

cse.gatech.edu
Message from School Chair

In the 21st century, business moves literally at the speed of light. Even as the world shrinks through the continual advance of new technologies, the problems facing industry and government become exponentially more complex. Responding to global markets, industry is forced to negotiate a web of political and cultural boundaries even as major economic, environmental, and social challenges increasingly stretch across international borders.

Whether it’s a global supply chain, an emerging international market, or any number of massive datasets in an equal number of nations, the power to apply the latest computation-based innovation is vital to compete. Almost every day, the internet produces a larger set of data than it did the day before. Real market advantages lie hidden in those data—waiting for whomever has the power to find them.

Enter Georgia Tech’s School of Computational Science and Engineering (CSE). Founded in 2005, the School of CSE solves real-world problems in science, engineering, health informatics, homeland and national security, and social domains by using high-performance computing, big data, and large-scale analytics. Our world-class faculty and top-notch graduate students synthesize principles from computing, mathematics, science, and engineering to develop innovative solutions to the world’s newest, oldest, and biggest problems.

David Bader
Professor and Chair
School of Computational Science and Engineering

CSE students, researchers, and partners all benefit from our ecosystem of innovation that integrates the existing assets of Georgia Tech’s Technology Square with new opportunities in interdisciplinary research, commercialization, and sustainability. This ecosystem will expand January 2019 when CSE moves to the state-of-the-art Coda building. The CSE will be the only school moving in its entirety to the new building which will serve as a collaborative hub for industry partners, major companies, and startups. In Coda, the premier facility in the United States for computational research, data science, and high-performance computing, CSE students and faculty will work in a “melting pot” environment which will foster a coordinated collaborative atmosphere unparalleled in the southeast.

By working with the CSE, we can target your specific research needs, offer a competitive advantage, and affect your bottom line. In doing so, CSE delivers the tangible benefit of a highly trained computational workforce and rapidly advancing research programs that keep pace with reality. As you continue reading, I hope you’ll decide to become part of our global—and growing—community.

David Bader
Professor and Chair
School of Computational Science and Engineering

CURRENT PARTNERS:

Le Song
Associate Professor
NSF CAREER Award

Jimeng Sun
Associate Professor

Richard Vuduc
Associate Professor
NSF CAREER Award

Hongyuan Zha
Professor

Jason Riedy
Senior Research Scientist

Jeffrey Valdez
Research Scientist II

*Effective Fall 2018
Message from School Chair

In the 21st century, business moves literally at the speed of light. Even as the world shrinks through the continual advance of new technologies, the problems facing industry and government become commendably more complex. Responding to global markets, industry is forced to negotiate a web of political and cultural boundaries even as major economic, environmental, and social challenges increasingly stretch across international borders.

Whether it’s a global supply chain, an emerging international market, or any number of massive datasets in an equal number of nations, the power to apply the latest computation-based innovation is vital to compete. Almost every day, the Internet produces a larger set of data than it did the day before. Real market advantages lie hidden in these data—waiting for whomever has the power to find them.

Enter Georgia Tech’s School of Computational Science and Engineering (CSE). Founded in 2005, the School of CSE solves real-world problems in science, engineering, health informatics, homeland and national security, and social domains by using high-performance computing, big data, and large-scale analytics. Our world-class faculty and top-notch graduate students synthesize principles from computing, mathematics, science, and engineering to develop innovative solutions to the world’s newest, oldest, and biggest problems.

CSE students, researchers, and partners will benefit from our ecosystem of innovation that integrates the existing assets of Georgia Tech’s Technology Square with new opportunities in interdisciplinary research, commercialization, and sustainability. This ecosystem will expand January 2019 when CSE moves to the state-of-the-art Coda building. The CSE will be the only school moving in its entirety to the new building which will serve as a collaborative hub with industry partners, major companies, and startups. In Coda, the premier facility in the United States for computational research, data science, and high-performance computing, CSE students and faculty will work in a “melting pot” environment which will foster a centralized collaborative atmosphere unparalleled in the south east. By working with the CSE, we can target your specific research needs, offer a competitive advantage, and affect your bottom line. In doing so, CSE delivers the tangible benefit of a highly trained computational workforce and rapidly advancing research programs that keep pace with reality. As you continue reading, I hope you’ll decide to become part of our global—and growing—community.

David Bader
Professor and Dean
School of Computational Science and Engineering
In addition to the tangible benefit of a highly-trained computational workforce for the 21st century, what other perks do CSE SPP partners enjoy? How about a competitive advantage? Companies that are able to stay atop the Big Data tsunami find that it can carry them a long, long way in the marketplace. CSE research has led to breakthroughs in computational power and analytics that result in real, measurable impacts across application domains.

Partners benefitting from research collaborations with the School of CSE represent a variety of sectors including:

- Health care & biomedical
- Materials & manufacturing
- National security—including cybersecurity
- Urban systems & planning
- Sustainability & alternative fuels
- Internet & social media
- High performance computing
- Massive data analytics

Whether your company operates in these domains or others, the School of CSE is eager to work side-by-side with you to make the power of Big Data serve your bottom line.

Contact:
Director of Development
Georgia Tech College of Computing
801 Atlantic Drive
Atlanta, Georgia 30332-0280
404-385-2384
cocdirectorofdevelopment@gatech.edu